
Abstract

It is a type of fracture-proof flat clasping floorboard strips. Along the long side and the short side of such strip, there is slot mortise on one side and tenon on the other side. The slot mortise has a long side surface and a short side surface along its sides. The upper surface of the slot mortise is parallel to and has the same height with the upper surface of the tenon. In the lower surface of the slot mortise there is a V-shaped groove while a convexity is arranged on the lower surface of the tenon. The front end of the convexity together with the external surface of the slot mortise forms an anti-self-locking oblique plane, which forms Angle No. 1 with the horizontal plane. The rear end of the convexity fits perfectly with the external side surface of the V-shaped groove and forms a self-locking plane, which forms Angle No. 2 with the horizontal plane. The tenon and the slot mortise correspond with each other. The above-mentioned strips can be assembled into the fracture-proof flat clasping flooring with the tenon in one strip inserted into the slot mortise in another. The floorboard strips in this invention have the merits of simple structure and easy production and installation. During the installation, no adhesive is needed to connect the strips and the flooring is safe and environment-friendly. The installed flooring looks good and has a long service life.